

Power Supply Procurement Plan 2020

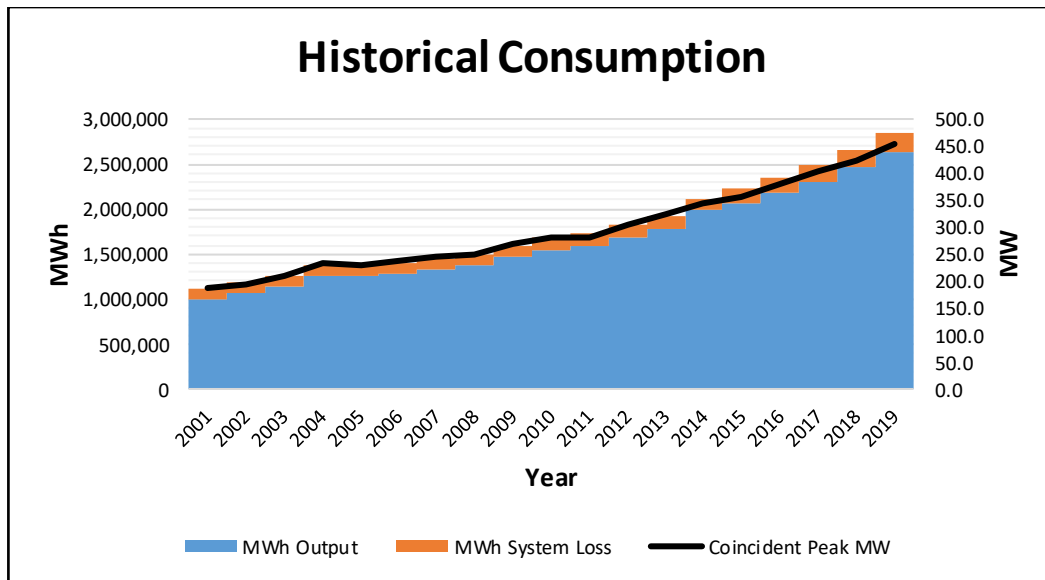


Davao Light and Power Company, Inc.

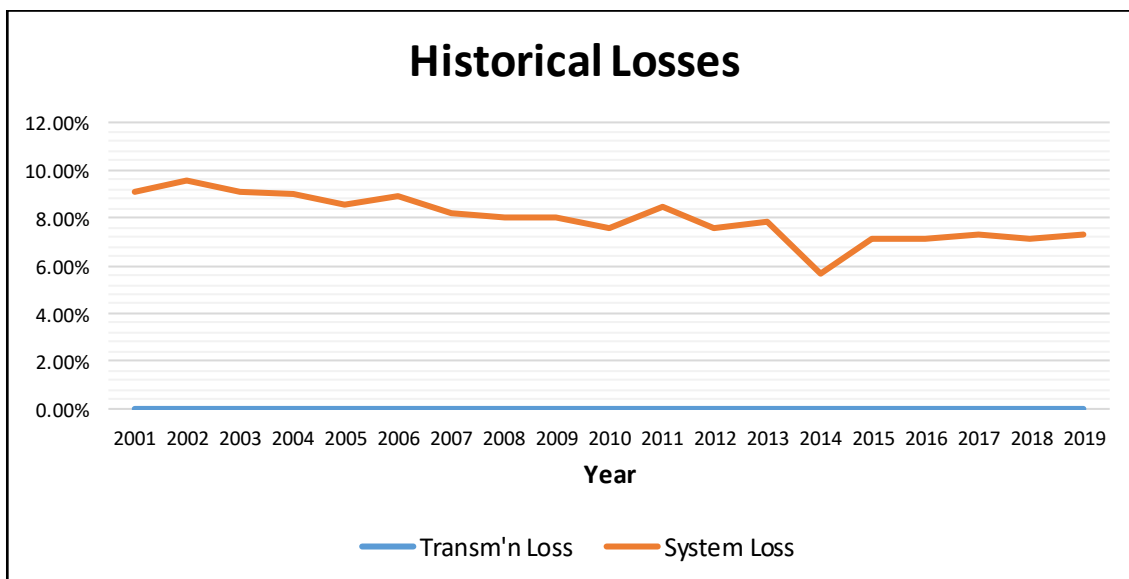
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2001	187.00	1,103,980	0	1,103,980	1,004,088	99,892	67%	0.00%	0.00%	9.05%
2002	194.00	1,177,223	0	1,177,223	1,064,605	112,618	69%	0.00%	0.00%	9.57%
2003	210.00	1,252,096	0	1,252,096	1,137,926	114,170	68%	0.00%	0.00%	9.12%
2004	234.00	1,375,197	0	1,375,197	1,251,825	123,372	67%	0.00%	0.00%	8.97%
2005	230.00	1,381,807	0	1,381,807	1,263,338	118,469	69%	0.00%	0.00%	8.57%
2006	238.00	1,399,764	0	1,399,764	1,274,381	125,383	67%	0.00%	0.00%	8.96%
2007	245.00	1,456,346	0	1,456,346	1,336,845	119,501	68%	0.00%	0.00%	8.21%
2008	249.00	1,492,868	0	1,492,868	1,373,818	119,050	68%	0.00%	0.00%	7.97%
2009	267.00	1,588,080	0	1,588,080	1,461,011	127,069	68%	0.00%	0.00%	8.00%
2010	282.00	1,675,973	0	1,675,973	1,549,734	126,239	68%	0.00%	0.00%	7.53%
2011	280.00	1,731,176	0	1,731,176	1,584,389	146,787	71%	0.00%	0.00%	8.48%
2012	304.00	1,818,920	0	1,818,920	1,681,720	137,200	68%	0.00%	0.00%	7.54%
2013	324.39	1,922,039	0	1,922,039	1,770,739	151,300	68%	0.00%	0.00%	7.87%
2014	343.73	2,100,236	0	2,100,236	1,981,258	118,978	70%	0.00%	0.00%	5.66%
2015	354.48	2,228,818	0	2,228,818	2,069,127	159,691	72%	0.00%	0.00%	7.16%
2016	379.98	2,340,694	0	2,340,694	2,173,373	167,321	70%	0.00%	0.00%	7.15%
2017	404.20	2,479,985	0	2,479,985	2,298,362	181,623	70%	0.00%	0.00%	7.32%
2018	421.15	2,656,804	0	2,656,804	2,468,190	188,614	72%	0.00%	0.00%	7.10%
2019	453.71	2,841,850	0	2,841,850	2,633,920	207,931	72%	0.00%	0.00%	7.32%

Peak Demand increased from 421.15 MW in 2018 to 453.71 MW in 2019 at a rate of 7.73% due to positive economic growth in the region. Investors are coming in to put up manufacturing firms, schools, BPOs, and commercial complexes. As a result, real property developments like subdivisions, condominiums and townships are rising. MWh Offtake increased from 2,656,804 MWh in 2018 to 2,841,850 MWh in 2019 at a rate of 6.97% attributed to an increase in consumption of residential as well as industrial customers. Within the same period, Load Factor ranged from 72% to 72.50%.

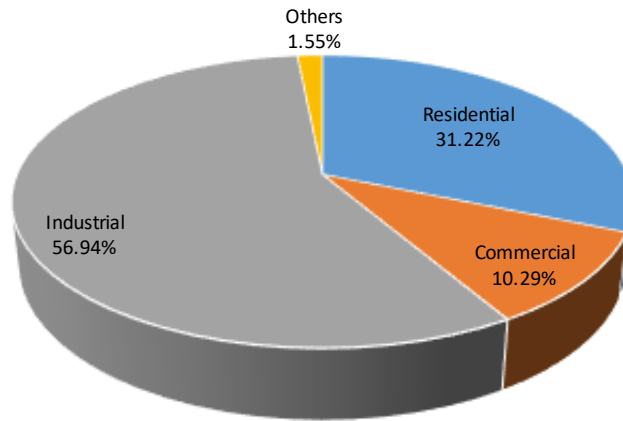


MWh Output increased from year 2018 to year 2019 at a rate of 6.71%, while MWh System Loss increased at a rate of 0.22% within the same period.



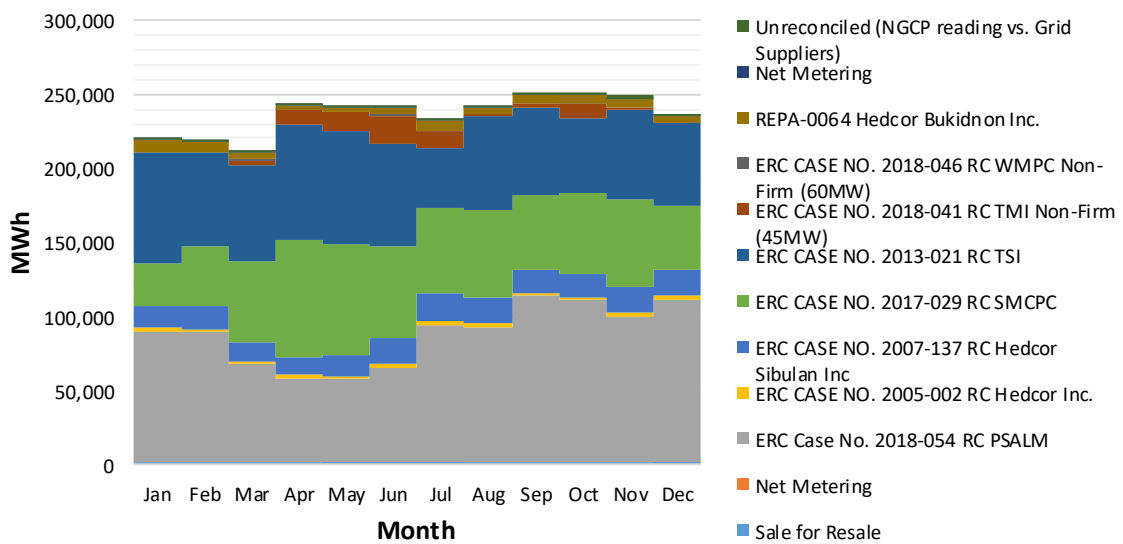
Historically, Davao Light recognizes MWh Offtake at NGCP delivery points which are already net of transmission losses. Meanwhile System Loss is decreasing from around 9% in 2001 to 7.32% in 2019. This is because of the various CAPEX projects implemented to improve system efficiency (i.e. substation, lines, capacitor banks, etc.) as well as the growth of industrial customers which inherently have lower system loss.

Previous Year's Shares of Energy Sales

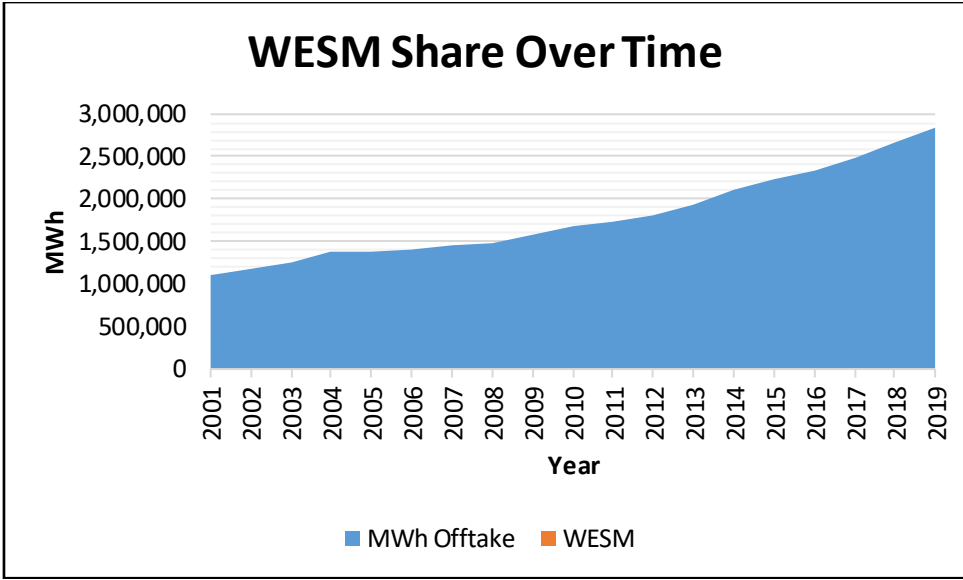


Industrial customers account for the bulk of energy sales at 56.94% despite of the low number of connections. In contrast, Residential customers accounted for only 31.22% of energy sales despite high number of connections. Commercial customers account 10.29% of energy sales while Streetlight and government institutions constituting a small part of the system.

MWh Offtake for Last Historical Year

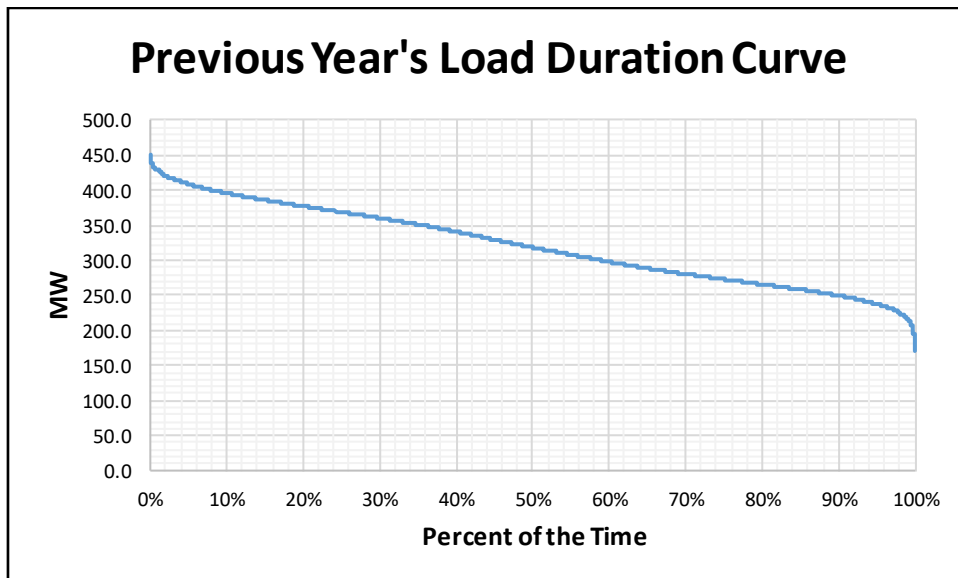


For 2019, the total Offtake for the last historical year is within the quantity stipulated in the PSA. The PSA with PSALM, TSI and SMCP account for the bulk of MWh Offtake.

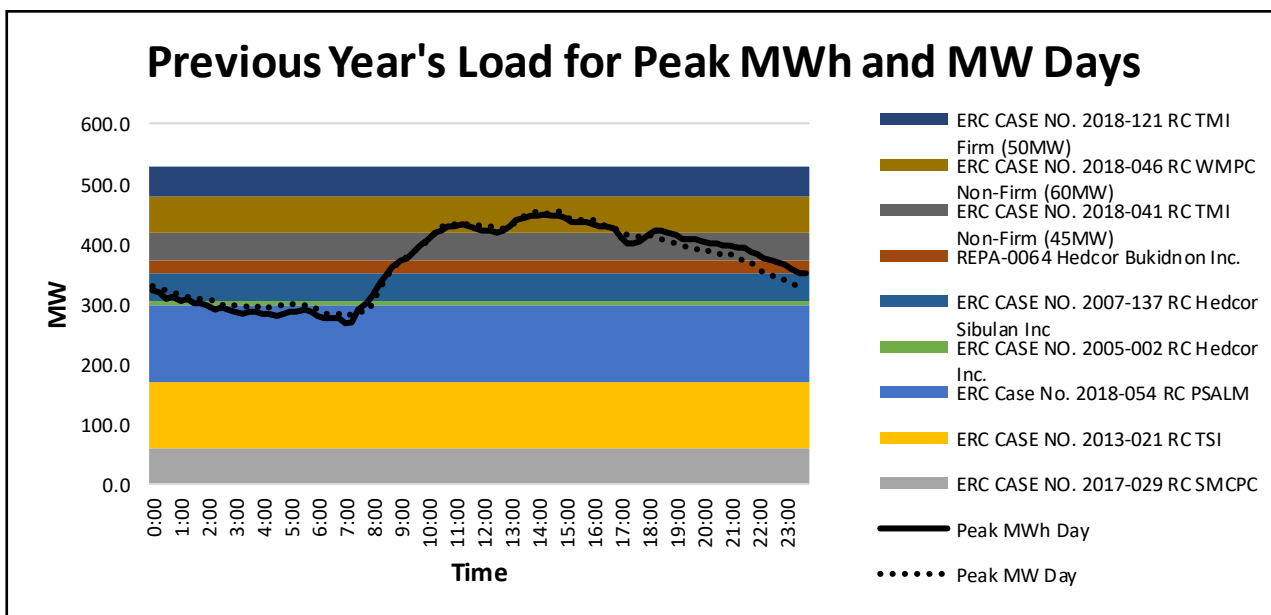


WESM is not yet operational in Mindanao. Thus, we are leaving this section blank.

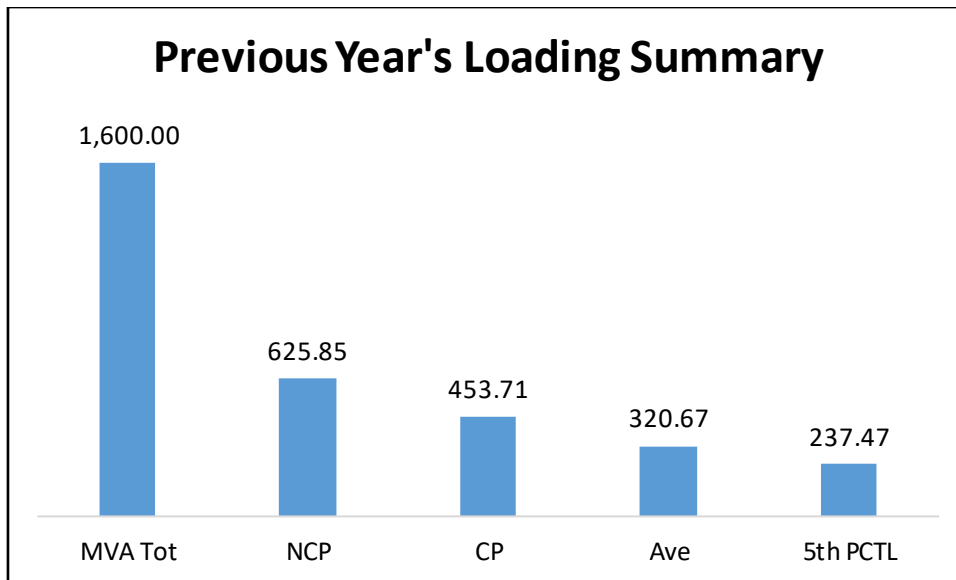
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 237 MW and the maximum load is 454 MW for the last historical year.



Based on the Load Duration Curve, the minimum load is 172 MW and the maximum load is 454 MW for the last historical year.



The Non-coincident Peak Demand is 626 MW, which is around 89% of the total NGCP substation capacity of 700 MVA at a power factor of 96.27%. The load factor or the ratio between the Average Load of 321 MW and the Non-coincident Peak Demand is 51%. A safe estimate of the true minimum load is the fifth percentile load of 237 MW which is 38% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
M1	300	90.747
M3	0	0.000
M6	300	37.074
M7	150	135.865
M8	300	33.860
M12	200	146.200
M14	50	43.508
M15	300	78.714
M3 Puan		46.418
Sibulan TSI		9.144
M9 Talomo		3.248
M2 Malagos		1.075
Daneco		0.000

Davao Light owned substations loaded at above 70% particularly M7 and M12 can be solved by two proposed projects (1) Installing a new 138 kV Transmission Substation and (2) Additional one (1)-150MVA Capacity to be installed at M7 Substation to cater the growing demand required by Davao Light Franchise.

Several substations have exceeded and/or will exceed the 70% loading criterion within the next year.

Delivery point substations ERA and DRA will be solved by the upcoming additional 150 MVA Capacity at ERA S/s.

In the southwest area, Calinan Substation's loading will be solved by the ongoing 10 MVA to 33 MVA Upgrade.

The southern zone transformer loadings of Toril, Dumoy and Puan will be solved by the new Binugao Substation and the upgrade of Puan Substation from 15 to 33 MVA.

Bangkal and Matina substation's issue will be solved by Bangkal upgrade from 12 to 33 MVA this year.

Loading of city proper substations Ecoland, P. Reyes, Sta. Ana, Gaisano, Victoria, Bajada, Buhangin and R. Castillo Substations will be solved by the additional 33 MVA transformer at Buhangin, additional 50 MVA Transformers at P. Reyes and Bajada and the new Megaworld Substation.

Panacan and Tibungco substation will be relieved by the new Ilang Substation.

Loading of Panabo and San Vicente Substations will be addressed by the new Panabo Substation and Bunawan upgrade from 10 to 33 MVA.

Lastly, Sto. Tomas' loading will be solved by its proposed 33 MVA upgrade.

Forecasted Consumption Data

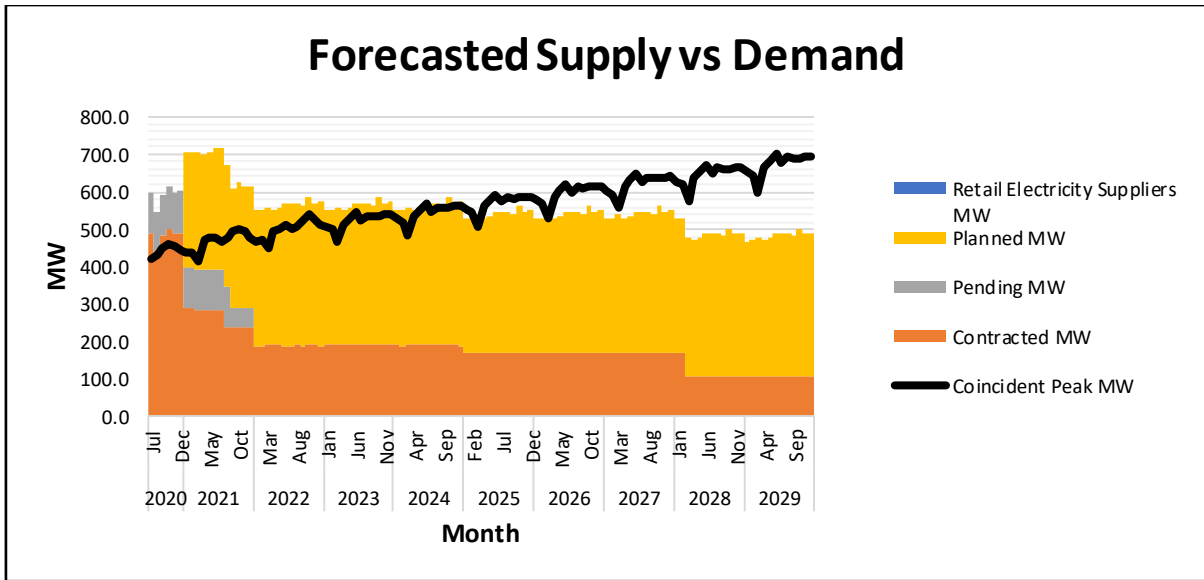
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jul	422.92	487.38	110.00	0.00	0.00	115%	141%	174.46
	Aug	431.37	436.11	110.00	0.00	0.00	101%	127%	114.74
	Sep	448.76	481.90	110.00	0.00	0.00	107%	132%	143.135
	Oct	461.8	502.00	110.00	0.00	0.00	109%	133%	150.2
	Nov	452.9	487.10	110.00	0.00	0.00	108%	132%	144.2
	Dec	441.95	491.00	110.00	0.00	0.00	111%	136%	159.05
2021	Jan	436.11	288.00	110.00	305.00	0.00	66%	91%	266.89
	Feb	437.47	287.80	110.00	305.70	0.00	66%	91%	266.03
	Mar	413.67	283.30	110.00	314.60	0.00	68%	95%	294.23
	Apr	470.09	283.00	110.00	308.00	0.00	60%	84%	230.91
	May	476.8	283.30	110.00	314.20	0.00	59%	82%	230.7
	Jun	475.09	283.30	110.00	324.32	0.00	60%	83%	242.532
	Jul	467.19	283.30	110.00	324.58	0.00	61%	84%	250.694
	Aug	474.63	238.30	110.00	324.45	0.00	50%	73%	198.12
	Sep	491.8	238.00	50.00	319.00	0.00	48%	59%	115.2
	Oct	500.98	238.00	50.00	339.00	0.00	48%	57%	126.02
	Nov	493.58	238.00	50.00	324.00	0.00	48%	58%	118.42
	Dec	480.07	238.00	50.00	328.00	0.00	50%	60%	135.93
2022	Jan	466.28	189.00	0.00	360.00	0.00	41%	41%	82.72
	Feb	471.84	189.00	0.00	361.00	0.00	40%	40%	78.16
	Mar	449.55	189.30	0.00	369.64	0.00	42%	42%	109.386
	Apr	493.46	189.30	0.00	362.55	0.00	38%	38%	58.393
	May	501.35	189.30	0.00	369.20	0.00	38%	38%	57.15
	Jun	512.98	189.00	0.00	379.00	0.00	37%	37%	55.02
	Jul	501.31	189.00	0.00	380.00	0.00	38%	38%	67.69
	Aug	504.42	189.30	0.00	379.00	0.00	38%	38%	63.88
	Sep	523.89	189.00	0.00	374.00	0.00	36%	36%	39.11
	Oct	537.37	189.30	0.00	394.00	0.00	35%	35%	45.93

	Nov	524.63	189.30	0.00	379.00	0.00	36%	36%	43.67
	Dec	512.49	189.00	0.00	383.00	0.00	37%	37%	59.51
2023	Jan	505.5	189.30	0.00	360.06	0.00	37%	37%	43.86
	Feb	499.15	189.30	0.00	360.68	0.00	38%	38%	50.83
	Mar	463.71	189.30	0.00	369.64	0.00	41%	41%	95.226
	Apr	514.21	189.30	0.00	362.55	0.00	37%	37%	37.643
	May	529.65	189.30	0.00	369.20	0.00	36%	36%	28.85
	Jun	543.99	189.30	0.00	379.32	0.00	35%	35%	24.63
	Jul	524.67	189.30	0.00	379.58	0.00	36%	36%	44.21
	Aug	536.59	189.30	0.00	379.00	0.00	35%	35%	31.71
	Sep	533.58	189.30	0.00	374.10	0.00	35%	35%	29.82
	Oct	535.22	189.30	0.00	394.00	0.00	35%	35%	48.08
	Nov	537.92	189.30	0.00	379.00	0.00	35%	35%	30.38
	Dec	538.49	189.30	0.00	383.33	0.00	35%	35%	34.14
2024	Jan	526.95	189.30	0.00	360.06	0.00	36%	36%	22.41
	Feb	519.91	189.00	0.00	361.00	0.00	36%	36%	30.09
	Mar	483.14	189.30	0.00	369.64	0.00	39%	39%	75.796
	Apr	535.99	189.30	0.00	363.00	0.00	35%	35%	16.31
	May	552.16	189.30	0.00	369.20	0.00	34%	34%	6.34
	Jun	567	189.30	0.00	379.30	0.00	33%	33%	1.6
	Jul	546.77	189.30	0.00	379.58	0.00	35%	35%	22.11
	Aug	559.19	189.30	0.00	379.00	0.00	34%	34%	9.11
	Sep	556.32	189.30	0.00	374.10	0.00	34%	34%	7.08
	Oct	557.98	189.30	0.00	393.60	0.00	34%	34%	24.92
	Nov	560.33	189.30	0.00	379.30	0.00	34%	34%	8.27
	Dec	560.91	189.00	0.00	383.00	0.00	34%	34%	11.09
2025	Jan	550.83	168.00	0.00	360.06	0.00	30%	30%	-22.77
	Feb	543.45	168.00	0.00	361.00	0.00	31%	31%	-14.45
	Mar	505.02	168.00	0.00	369.60	0.00	33%	33%	32.58
	Apr	560.26	168.00	0.00	362.55	0.00	30%	30%	-29.707
	May	577.2	168.00	0.00	369.20	0.00	29%	29%	-40
	Jun	592.7	168.00	0.00	379.30	0.00	28%	28%	-45.4
	Jul	571.54	168.00	0.00	379.60	0.00	29%	29%	-23.94

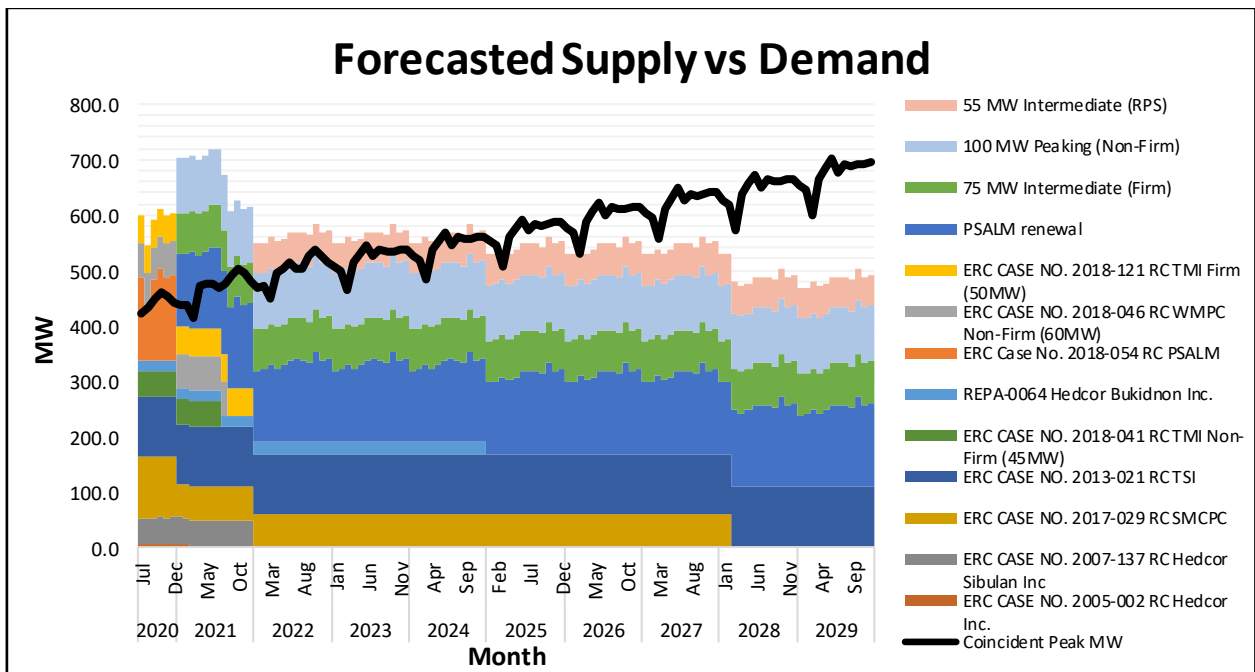
	Aug	584.48	168.00	0.00	379.45	0.00	29%	29%	-37.027
	Sep	581.54	168.00	0.00	374.00	0.00	29%	29%	-39.54
	Oct	583.24	168.00	0.00	394.00	0.00	29%	29%	-21.24
	Nov	585.69	168.00	0.00	379.29	0.00	29%	29%	-38.399
	Dec	586.3	168.00	0.00	383.00	0.00	29%	29%	-35.3
2026	Jan	577.65	168.00	0.00	360.00	0.00	29%	29%	-49.65
	Feb	570.07	168.00	0.00	360.68	0.00	29%	29%	-41.39
	Mar	529.69	168.00	0.00	370.00	0.00	32%	32%	8.31
	Apr	587.54	168.00	0.00	362.55	0.00	29%	29%	-56.987
	May	605.32	168.00	0.00	369.00	0.00	28%	28%	-68.32
	Jun	621.61	168.00	0.00	379.30	0.00	27%	27%	-74.31
	Jul	599.43	168.00	0.00	379.58	0.00	28%	28%	-51.85
	Aug	612.94	168.00	0.00	379.00	0.00	27%	27%	-65.94
	Sep	609.8	168.00	0.00	374.00	0.00	28%	28%	-67.8
	Oct	611.58	168.00	0.00	394.00	0.00	27%	27%	-49.58
	Nov	614.37	168.00	0.00	379.00	0.00	27%	27%	-67.37
	Dec	615.03	168.00	0.00	383.00	0.00	27%	27%	-64.03
2027	Jan	601.47	168.00	0.00	360.00	0.00	28%	28%	-73.47
	Feb	593.57	168.00	0.00	360.70	0.00	28%	28%	-64.87
	Mar	555.49	168.00	0.00	370.00	0.00	30%	30%	-17.49
	Apr	611.75	168.00	0.00	362.55	0.00	27%	27%	-81.2
	May	630.29	168.00	0.00	369.20	0.00	27%	27%	-93.09
	Jun	647.23	168.00	0.00	379.32	0.00	26%	26%	-99.908
	Jul	624.13	168.00	0.00	379.58	0.00	27%	27%	-76.546
	Aug	638.18	168.00	0.00	379.45	0.00	26%	26%	-90.73
	Sep	634.93	168.00	0.00	374.10	0.00	26%	26%	-92.83
	Oct	636.77	168.00	0.00	393.64	0.00	26%	26%	-75.13
	Nov	639.68	168.00	0.00	379.00	0.00	26%	26%	-92.68
	Dec	640.37	168.00	0.00	383.30	0.00	26%	26%	-89.07
2028	Jan	625.57	168.00	0.00	360.00	0.00	27%	27%	-97.57
	Feb	617.21	168.00	0.00	361.00	0.00	27%	27%	-88.21
	Mar	573.54	108.00	0.00	370.00	0.00	19%	19%	-95.54
	Apr	636.26	108.00	0.00	363.00	0.00	17%	17%	-165.26

	May	655.57	108.00	0.00	369.00	0.00	16%	16%	-178.57
	Jun	673.17	108.00	0.00	379.00	0.00	16%	16%	-186.17
	Jul	649.1	108.00	0.00	379.58	0.00	17%	17%	-161.52
	Aug	663.69	108.00	0.00	379.00	0.00	16%	16%	-176.69
	Sep	660.42	108.00	0.00	374.10	0.00	16%	16%	-178.32
	Oct	662.31	108.00	0.00	394.00	0.00	16%	16%	-160.31
	Nov	665.17	108.00	0.00	379.00	0.00	16%	16%	-178.17
	Dec	665.89	108.00	0.00	383.00	0.00	16%	16%	-174.89
2029	Jan	652.25	108.00	0.00	360.00	0.00	17%	17%	-184.25
	Feb	643.35	108.00	0.00	361.00	0.00	17%	17%	-174.35
	Mar	597.94	108.00	0.00	369.64	0.00	18%	18%	-120.304
	Apr	663.38	108.00	0.00	362.55	0.00	16%	16%	-192.827
	May	683.59	108.00	0.00	369.00	0.00	16%	16%	-206.59
	Jun	701.9	108.00	0.00	379.30	0.00	15%	15%	-214.6
	Jul	676.76	108.00	0.00	379.58	0.00	16%	16%	-189.18
	Aug	691.92	108.00	0.00	379.50	0.00	16%	16%	-204.42
	Sep	688.69	108.00	0.00	374.10	0.00	16%	16%	-206.595
	Oct	690.6	108.00	0.00	393.64	0.00	16%	16%	-188.961
	Nov	693.34	108.00	0.00	379.00	0.00	16%	16%	-206.34
	Dec	694.07	108.00	0.00	383.00	0.00	16%	16%	-203.07

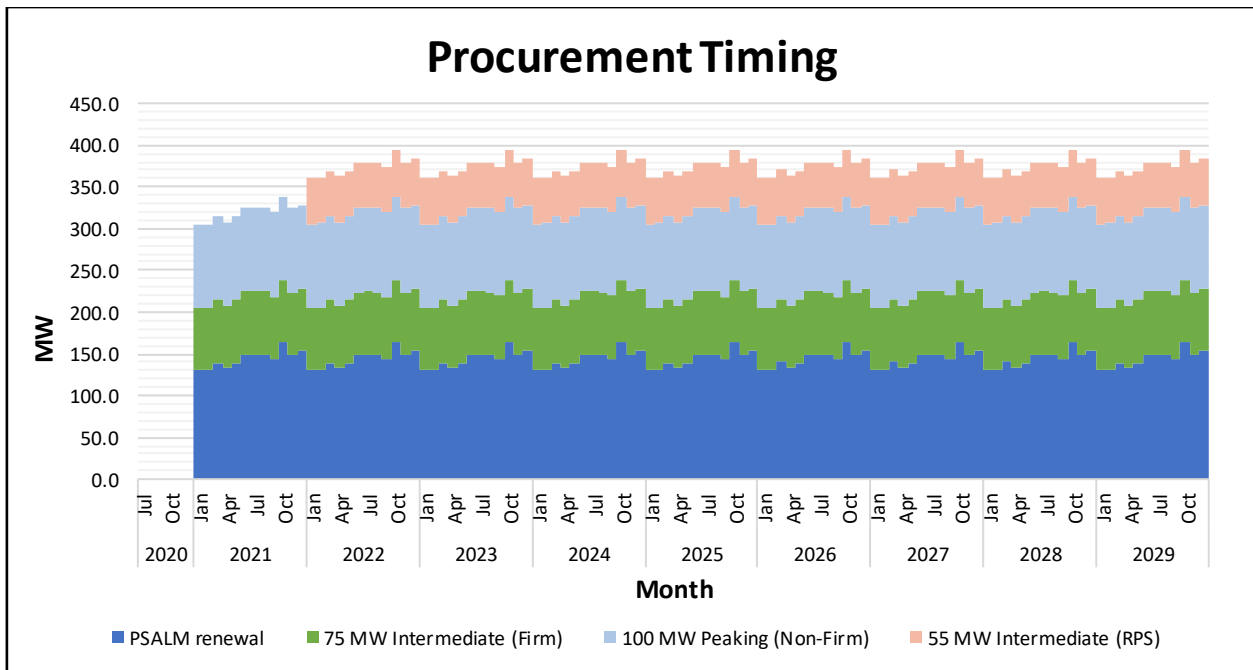
The Peak Demand was forecasted using historical load factor and is assumed to occur every October to December of the year due to increased production of Industrial customers in preparation for Christmas season. Monthly Peak Demand is at its lowest every January to March due to lower disposable income after the Christmas season. In general, Peak Demand is expected to grow at a rate of 5.35% annually.



The available supply is generally below the Peak Demand. This is because of the incoming expiration of PSALM CSEE and emergency power supply with SMCP on December 25, 2020. On the other hand, the non-firm peak demand with TMI and WMPC is set to expire on July 29, 2021 while the firm contract with TMI of 50MW will expire on December 25, 2021. Furthermore, Hedcor Sibulan will expire on February 25, 2022 leaving a contracted capacity of 189 MW in 2022.



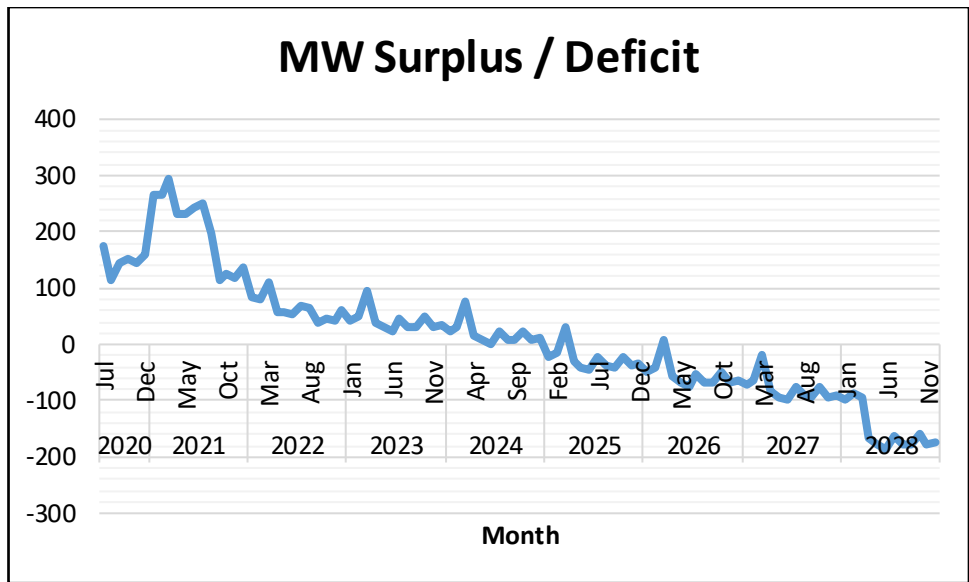
Of the available supply, the largest is 140 MW from PSALM CSEE renewal. This is followed by 108MW from ERC Case No. 2013-021 RC TSI.



The first wave of supply procurement is the negotiation for renewal of PSALM CSEE of around 140 MW to be available by January 2021. This will be followed by the 75 MW intermediate power supply and 100MW Non-Firm peaking supply, also to be available by January 2021. The 75MW intermediate supply is for the replacement of the 50MW emergency power supply and to address the increasing demand of the customers. On the other hand, the 100 MW Non-Firm peaking supply is to cover intermittent power requirements given non-commercial operation of WESM in Mindanao. Intermediate power supply of 55 MW is expected to be available by March 2022 to handle the expiration of current intermediate supply contract and to cover RPS requirement.



Currently, there is an over-contacting by only 105% excluding the pending 60 MW Non-firm PSA with WMPC and 50 MW Firm PSA with TMI. The highest target contracting level is 141% which is expected to occur on July 2020 with non-commercial operation of WESM in Mindanao and the resumption of economic activities upon the easing of community quarantine measures.



Currently, there is an over-contracting by 20 MW. Given the planned CSPs, supply deficit is projected to occur in 2025. This is projected to be catered by WESM in Mindanao.

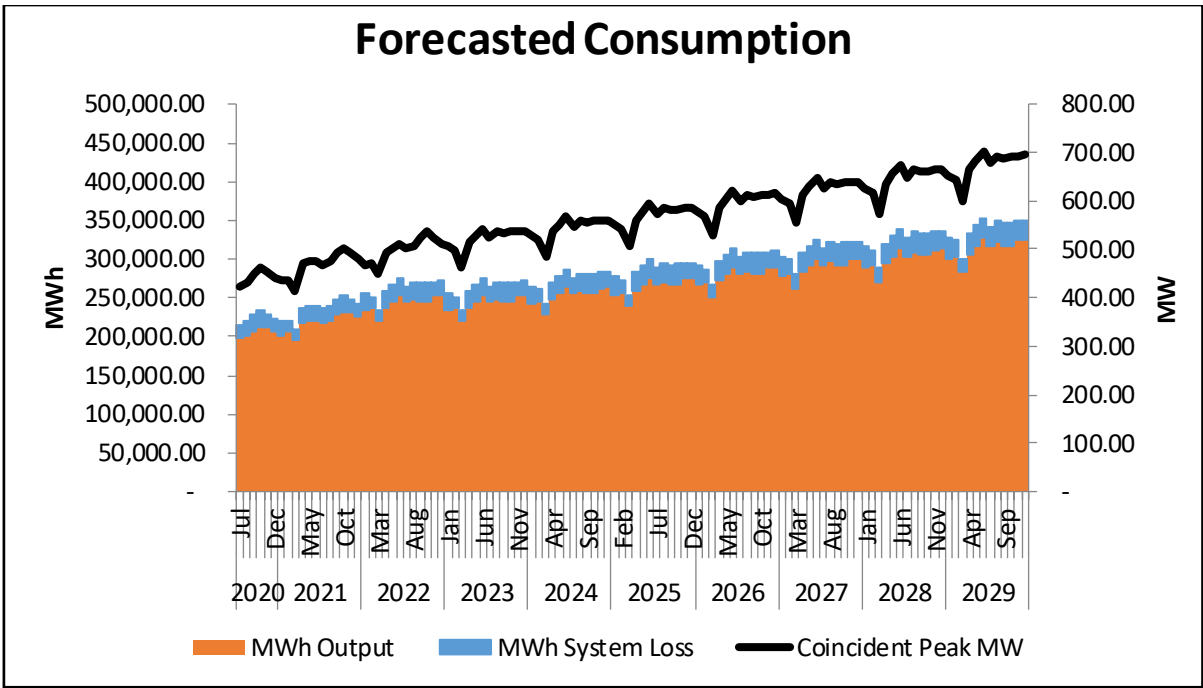
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jul	214,514	197,722	16,792	0.00%	7.83%
	Aug	218,992	200,039	18,953	0.00%	8.65%
	Sep	227,732	207,515	20,217	0.00%	8.88%
	Oct	234,222	213,320	20,902	0.00%	8.92%
	Nov	229,775	213,208	16,567	0.00%	7.21%
	Dec	224,103	207,680	16,423	0.00%	7.33%
2021	Jan	142,464	200,241	19,556	0.00%	13.73%
	Feb	140,375	206,390	14,092	0.00%	10.04%
	Mar	125,120	195,461	13,029	0.00%	10.41%
	Apr	133,533	217,618	19,307	0.00%	14.46%
	May	134,444	220,541	19,767	0.00%	14.70%
	Jun	144,778	220,336	19,108	0.00%	13.20%
	Jul	142,184	218,338	17,125	0.00%	12.04%
	Aug	144,824	219,850	19,364	0.00%	13.37%
	Sep	145,298	227,176	20,689	0.00%	14.24%
	Oct	139,956	231,096	21,399	0.00%	15.29%
	Nov	144,081	231,863	16,899	0.00%	11.73%
	Dec	141,212	225,207	16,748	0.00%	11.86%
2022	Jan	114,683	233,197	21,574	0.00%	18.81%
	Feb	114,525	236,071	15,503	0.00%	13.54%
	Mar	102,899	219,296	14,416	0.00%	14.01%
	Apr	112,479	237,866	21,296	0.00%	18.93%
	May	110,556	245,147	21,797	0.00%	19.72%
	Jun	116,058	253,118	21,051	0.00%	18.14%
	Jul	113,050	245,541	18,893	0.00%	16.71%
	Aug	117,236	249,089	21,351	0.00%	18.21%
	Sep	118,581	246,095	22,831	0.00%	19.25%
	Oct	113,182	246,152	23,599	0.00%	20.85%
	Nov	115,968	252,549	18,560	0.00%	16.00%

	Dec	111,764	253,007	18,395	0.00%	16.46%
2023	Jan	114,683	233,197	21,574	0.00%	18.81%
	Feb	114,525	236,071	15,503	0.00%	13.54%
	Mar	102,899	219,296	14,416	0.00%	14.01%
	Apr	112,479	237,866	21,296	0.00%	18.93%
	May	110,556	245,147	21,797	0.00%	19.72%
	Jun	116,058	253,118	21,051	0.00%	18.14%
	Jul	113,050	245,541	18,893	0.00%	16.71%
	Aug	117,236	249,089	21,351	0.00%	18.21%
	Sep	118,581	246,095	22,831	0.00%	19.25%
	Oct	113,182	246,152	23,599	0.00%	20.85%
	Nov	115,968	252,549	18,560	0.00%	16.00%
	Dec	111,764	253,007	18,395	0.00%	16.46%
2024	Jan	114,691	242,769	22,813	0.00%	19.89%
	Feb	114,533	245,708	16,328	0.00%	14.26%
	Mar	106,333	228,242	15,260	0.00%	14.35%
	Apr	112,486	247,624	22,514	0.00%	20.01%
	May	110,563	255,234	23,052	0.00%	20.85%
	Jun	116,066	263,524	22,242	0.00%	19.16%
	Jul	113,057	255,598	19,972	0.00%	17.67%
	Aug	117,244	259,280	22,550	0.00%	19.23%
	Sep	118,589	256,226	24,161	0.00%	20.37%
	Oct	113,190	256,268	24,952	0.00%	22.04%
	Nov	115,975	262,875	19,530	0.00%	16.84%
	Dec	111,772	263,346	19,354	0.00%	17.32%
2025	Jan	130,969	253,830	23,787	0.00%	18.16%
	Feb	126,930	256,862	17,036	0.00%	13.42%
	Mar	111,043	238,586	15,944	0.00%	14.36%
	Apr	134,427	258,899	23,474	0.00%	17.46%
	May	142,991	266,888	24,020	0.00%	16.80%
	Jun	142,041	275,550	23,170	0.00%	16.31%
	Jul	134,904	267,228	20,827	0.00%	15.44%
	Aug	139,089	271,063	23,517	0.00%	16.91%
	Sep	139,137	267,922	25,172	0.00%	18.09%
	Oct	133,721	267,956	25,999	0.00%	19.44%
	Nov	138,525	274,832	20,356	0.00%	14.69%
	Dec	140,460	275,322	20,175	0.00%	14.36%
2026	Jan	144,487	266,439	24,696	0.00%	17.09%
	Feb	140,349	269,596	17,721	0.00%	12.63%
	Mar	123,476	250,373	16,590	0.00%	13.44%
	Apr	148,175	271,752	24,368	0.00%	16.45%
	May	157,165	280,170	24,912	0.00%	15.85%
	Jun	156,612	289,261	24,030	0.00%	15.34%
	Jul	148,960	280,485	21,625	0.00%	14.52%
	Aug	153,432	284,496	24,427	0.00%	15.92%
	Sep	153,383	281,242	26,098	0.00%	17.01%
	Oct	148,003	281,273	26,964	0.00%	18.22%
	Nov	152,978	288,487	21,154	0.00%	13.83%
	Dec	154,936	289,002	20,971	0.00%	13.54%

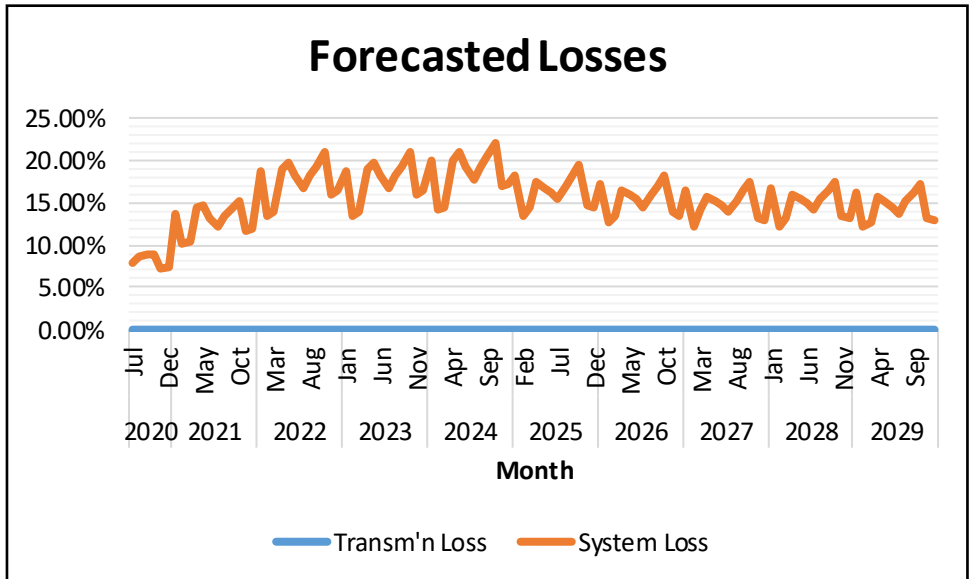
2027	Jan	156,492	277,466	25,674	0.00%	16.41%
	Feb	152,190	280,708	18,449	0.00%	12.12%
	Mar	136,478	260,683	19,282	0.00%	14.13%
	Apr	160,378	282,992	25,331	0.00%	15.79%
	May	169,748	291,788	25,877	0.00%	15.24%
	Jun	169,527	301,247	24,959	0.00%	14.72%
	Jul	161,410	292,077	22,484	0.00%	13.93%
	Aug	166,150	296,237	25,403	0.00%	15.29%
	Sep	166,046	292,903	27,101	0.00%	16.32%
	Oct	160,696	292,922	28,008	0.00%	17.43%
	Nov	165,735	300,396	22,001	0.00%	13.27%
	Dec	167,709	300,931	21,815	0.00%	13.01%
2028	Jan	161,201	288,527	26,762	0.00%	16.60%
	Feb	156,666	291,836	19,238	0.00%	12.28%
	Mar	138,256	271,018	18,045	0.00%	13.05%
	Apr	165,287	294,271	26,402	0.00%	15.97%
	May	175,292	303,454	26,955	0.00%	15.38%
	Jun	175,157	313,282	25,994	0.00%	14.84%
	Jul	166,794	303,708	23,437	0.00%	14.05%
	Aug	171,567	308,017	26,481	0.00%	15.43%
	Sep	171,456	304,625	28,228	0.00%	16.46%
	Oct	166,369	304,628	29,175	0.00%	17.54%
	Nov	171,145	312,326	22,922	0.00%	13.39%
	Dec	173,655	312,875	22,732	0.00%	13.09%
2029	Jan	170,924	300,860	27,872	0.00%	16.31%
	Feb	166,122	304,202	20,048	0.00%	12.07%
	Mar	147,797	282,539	18,825	0.00%	12.74%
	Apr	175,239	306,850	27,495	0.00%	15.69%
	May	185,811	316,472	28,056	0.00%	15.10%
	Jun	185,918	326,707	27,050	0.00%	14.55%
	Jul	177,137	316,677	24,410	0.00%	13.78%
	Aug	182,076	321,144	27,583	0.00%	15.15%
	Sep	181,985	317,725	29,377	0.00%	16.14%
	Oct	177,030	317,700	30,364	0.00%	17.15%
	Nov	181,696	325,576	23,867	0.00%	13.14%
	Dec	185,127	326,139	23,672	0.00%	12.79%

MWh Offtake was forecasted using lowest price dispatch. The assumed load factor is 72%.

System Loss was calculated through a Load Flow Study conducted on all Davao Light Substation Feeders by the Revenue Protection Department using Synergi Simulation software. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output was expected to grow at a rate of 5.4% annually.



Transmission Loss is expected to be zero since it is practiced by Davao Light to record MWh Offtake at NGCP delivery points.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC CASE NO. 2005-002 RC Hedcor Inc.	Intermediate	Hedcor, Inc.	4.47	0	2/13/2006	2/12/2021
ERC CASE NO. 2007-137 RC Hedcor Sibulan Inc	Intermediate	Hedcor Sibulan, Inc.	49.00	200,000	2/26/2010	2/25/2022
ERC CASE NO. 2013-021 RC TSI	Base	Therma South, Inc.	108.00	379,432	9/18/2015	9/17/2040
ERC Case No. 2018-054 RC PSALM	Base	Power Sector Assets and Liabilities Management Corporation	139.94	857,911	12/26/2017	12/25/2020
ERC CASE NO. 2017-029 RC SMPC	Base	San Miguel Consolidated Power Corporation	60.00	210,240	2/26/2018	2/25/2028
ERC CASE NO. 2018-041 RC TMI Non-Firm (45MW)	Peaking	Therma Marine Inc.	45.00	0	7/30/2018	7/29/2021
REPA-0064 Hedcor Bukidnon Inc.	Intermediate	HEDCOR Bukidnon, Inc.	21.30	0	7/26/2018	3/31/2020

The PSA with Hedcor Inc. filed with ERC under Case No. 2005-002 RC was procured through a procurement process. Proposals were received from 3 different companies and after thorough evaluation of the said proposals, Davao Light considered HEDCOR's proposal as the most efficient, cost-effective, reliable and environmentally friendly source of power and energy. It was selected to provide intermediate requirements to meet Davao Light's increasing demand and the future power requirements of its customers. The contract is for the purchase of all the electric power and energy generated and produced by the hydro plants owned by HEDCOR, Inc. The price for the electricity generated and delivered to the Company shall be equal to the average cost of electricity procured, delivered and accepted by the Company from NPC, inclusive of transmission and connection charges. The actual billed overall monthly charge under the PSA ranged from 4.90 P/kWh to 5.60 P/kWh in the past year.

The PSA with Hedcor Sibulan, Inc. filed with ERC under Case No. 2007-137 RC was procured through a competitive selection process. Three proposals were received and Hedcor Sibulan Inc emerged to be the winning bidder. It was selected to provide intermediate requirements to address the imminent increase in power demand in Mindanao grid by year 2009 and to avoid any shortage as predicted by DOE. The actual billed overall monthly charge under the PSA ranged from 6.20 P/kWh to 6.80 P/kWh in the past year.

The PSA with TSI filed with ERC under Case No. 2013-021 RC was procured through a negotiation process. It was selected to provide base load requirements to address deficiency of supply upon expiration of the CSEE with NPC/PSALM, which will further be aggravated by a projected increase in the energy requirements of Davao Light customers. At the time of the expiration of its CSEE, TSI will be the only power project in Mindanao already on line. The actual billed overall monthly charge under the PSA ranged from 5.50 P/kWh to 6.10 P/kWh in the past year.

The PSA with SMCPC filed with ERC under Case No. 2017-029 RC was procured through a negotiation process after two failed competitive biddings. It was selected to provide base load requirements to address projected deficit between its supply portfolio and projected demand for 2016 to 2020. The actual billed overall monthly charge under the PSA ranged from 4.90 P/kWh to 5.10 P/kWh in the past year.

The CSEE with PSALM filed with ERC under Case No. 2018-054 RC was renewed for another three years from 2018 to 2021 through a negotiation process. The actual billed overall monthly charge under the PSA ranged from 2.60 P/kWh to 3.00 P/kWh in the past year.

On the other hand, DLPC and Hedcor Bukidnon entered into a Feed-In Tariff (FIT) Renewable Energy Supply Agreement. Under Section 2.7 of the FIT Rules, all Eligible RE Plants shall enjoy priority connection to the transmission and distribution system. The actual billed overall monthly charge under the PSA ranged from 4.40 P/kWh to 5.20 P/kWh in the past year.

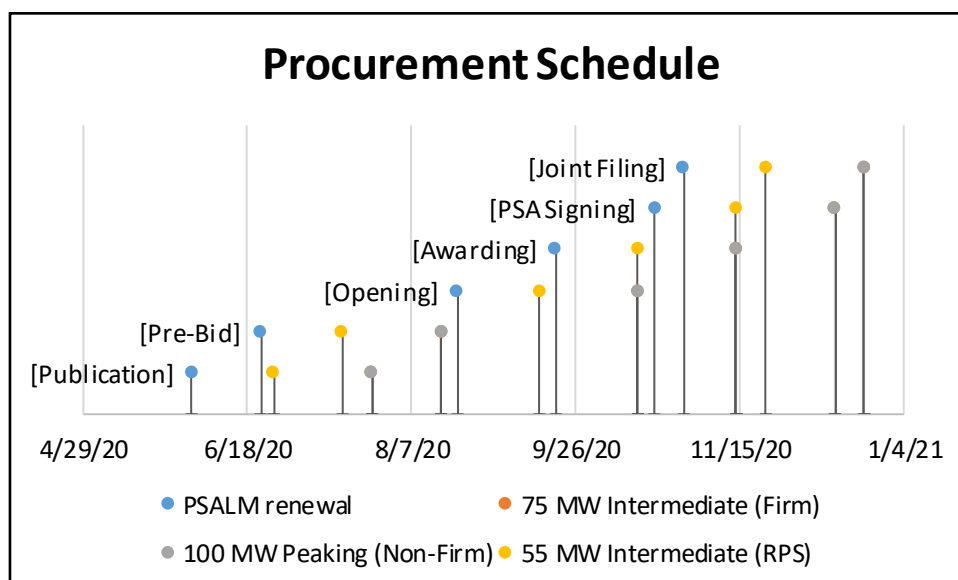
The non-firm PSA with TMI filed with ERC under Case No. 2018-041 RC was procured through competitive selection process. In order to ensure that there is a reliable source of electricity to address power needs of its customers, Davao Light deemed it prudent to have an alternative source of power from suppliers that are willing and capable of supplying power to Davao Light on an as-needed, or non-firm basis. The actual billed overall monthly charge under the PSA ranged from 7.30 P/kWh to 8.40 P/kWh in the past year.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC CASE NO. 2018-046 RC WMPC Non-Firm (60MW)	Peaking	Western Mindanao Power Corporation	60.00	0	7/30/2018	7/29/2021
ERC CASE NO. 2018-121 RC TMI Firm (50MW)	Peaking	Therma Marine Inc.	50.00	0	12 26 2018	12/25/2021

The pending non-firm PSA with WMPC filed with ERC under Case No. 2018-046 RC was procured through competitive selection process. As WMPC submitted with the bid with second lowest effective rate, WMPC may be dispatch by Davao Light only in case of unavailability of non-firm supply from TMI, fully or partially.

On the other hand, the pending firm PSA with TMI filed with ERC under Case No. 2018-121 RC was procured through negotiation process after two failed competitive selection process. It was selected to provide peaking requirement due to projected supply deficit in 2019 given lower allocation from PSALM and expiration of Davao Light's two peaking plants in 2018.

	PSALM renewal	75 MW Intermediate (Firm)	100 MW Peaking (Non-Firm)	55 MW Intermediate (RPS)
Type	Base	Intermediate	Peaking	Eligible RE
Minimum MW	140.00	75.00	100.00	55.00
Minimum MWh/yr				
PSA Start	26-Dec-20	26-Dec-20	26-Dec-20	26-Feb-22
PSA End	25-Dec-21	25-Dec-25	25-Dec-23	26-Feb-32
Publication	01-Jun-20	26-Jul-20	26-Jul-20	26-Jun-20
Pre-bid	22-Jun-20	16-Aug-20	16-Aug-20	17-Jul-20
Opening	21-Aug-20	15-Oct-20	15-Oct-20	15-Sep-20
Awarding	20-Sep-20	14-Nov-20	14-Nov-20	15-Oct-20
PSA Signing	20-Oct-20	14-Dec-20	14-Dec-20	14-Nov-20
Joint Filing	29-Oct-20	23-Dec-20	23-Dec-20	23-Nov-20

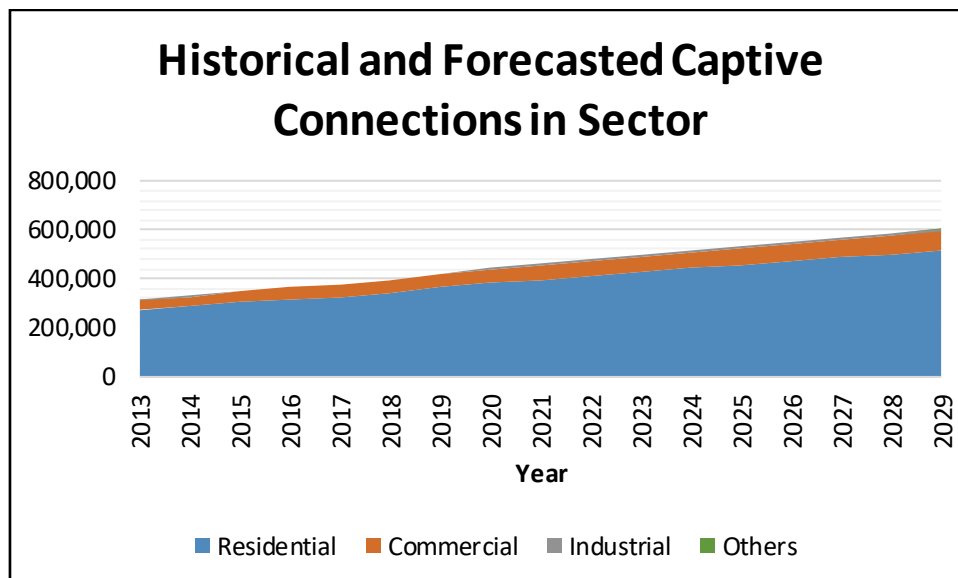


For the renewal of PSALM CSEE of 140MW which is planned to be available on December 26, 2020, the negotiation will start by June 2020

For the procurement of 75 MW of intermediate supply and 100 MW Non-firm peaking supply which are planned to be available on December 26, 2020, the first publication or launch of CSP will be on July 26, 2020. Joint filing is planned on December 23, 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 55 MW of intermediate RPS supply which is planned to be available on February 26, 2022, the first publication or launch of CSP will be on June 26, 2020. Joint filing is planned on November 23, 2020, or 150 days later, in accordance with DOE's 2018 CSP Policy.

Captive Customer Connections



The number of connections is expected to grow at a rate of **3.2%** annually. Residential is expected to grow at **3.0%** annually, Commercial at **4.2%** and Industrial at **3.3%**. As of 2019, Residential accounts **31%** of MWh output, Commercial at **10%**, Industrial at **57%** while Streetlight and government institutions constituting a small part of the system at **2%**.